

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 185289 - Unknown Component

Sample No: LH0270280

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0270280	---	---	---
Sample Date	29 Sep 2023	---	---	---
Machine Hours	3024	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Harbour Development

380 Bayside Dr
 St John, NB
 CA E2J 4Y8
 Contact: Darien Edison
 edison.darien@harbourdev.com
 T:
 F:



Oil Condition

Visc @ 40°C	cSt	173	---	---	---
-------------	-----	-----	-----	-----	-----



Contamination

Water	%	NEG	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	2	---	---	---



Wear Metals

Iron	ppm	493	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	7	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	186	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	86	---	---	---
Phosphorus	ppm	557	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	4	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please provide more complete information on your next sample. Component wear rates appear to be normal (unconfirmed). There is no indication of any contamination in the sample. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the sample is acceptable for the time in service.

Depot: HAR380STJ
 Unique No: 5656338
 Signed: Kevin Marson
 Report Date: 06 Oct 2023



Graphs

